

S Our land and  
333.72 water Park County  
M26Lw34  
1975

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Our land and water Park County.



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~~CONFIDENTIAL~~

OUR

LAND

WATER

PARK

COUNTY

Wilsall

Clyde Park

Livingston

STATE DOCUMENTS COLLECTION

JUN 03 1992

MONTANA STATE LIBRARY  
1515 E. 6th AVE.  
HELENA, MONTANA 59620

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Gardiner

CONSERVATION NEEDS SUMMARY

In Park County there are  
The area of Federal land is  
Towns, roads, water, etc., amount to  
This leaves

1,681,280 Acres  
893,772 Acres  
22,316 Acres  
765,192 Acres

1958		1975
57,683	Irrigated Crop	63,506
64,464	Dry Cropland	59,284
30,000	Tame Pasture	34,373
482,051	Range	480,392
125,000	Woodland	123,480
6,030	Other Rural	6,100

Irrigated Cropland will increase by 10 percent, as additional storage is developed on some of the smaller streams

Dry cropland will decrease by 8 percent. The marginal land will be seeded to range and pasture.

An increase of 15 percent in tame pastures will come from the reseeding of dry cropland.

Rangeland will decrease slightly due to reseeding to tame pasture, some conversion to irrigated cropland.

Land will be taken out of farms for highways and other public uses.

INTO INVENTORY	LAND CAPABILITY CLASS	LAND USE 1958	LAND USE CHANGE BY 1975						OUT OF AGRICULTURE USE		
			IRRIGATED CROPLAND		CROPLAND		PASTURE	GRASSLAND RANGE	WOODLAND	OTHER	
			IRRIGATED	CROPLAND	IRRIGATED	DRY					
I	I	3023	3011								12
II	II	27912	27767							8	137
III	III	26748	26203					300		38	207
IV	IV										
VI	Range										
	Range										
		DRY CROPLAND									
	II	18549	18452								97
	III	20639	2500		18056						83
	IV	22185			16597	5500					88
	VI	3091			2079	1000					12
		TAME PASTURE									
	I	109	109								
	II	5478	100								24
	III	16086	200		1700						65
	IV	4931									24
	VI	2847									12
	VII	549									2
		RANGE									
	II	8718	500		800	7382					36
	III	22441	1825		1900			18606		20	90
	IV	12870						12769			101
	V										
	VI	303346									
	VII	134640						302114		9	1223
		WOODLAND						134221			419
	III	1942	600								7
	IV	2921	500								13
	VI	64200							1335		256
	VII	55937							2408		144
		OTHER							63944		
	VIII	3067							55793		
										3067	

# THE PROBLEMS AND NEEDED TREATMENT

Irrigated Cropland	63,506	
39% or 23,904 acres are adequately treated		
61% needs treatment (38,612 acres)		
a. Erosion is the dominant problem on	31,017 acres	
b. Excess water dominant problem	2,720	
c. Unfavorable soil is dominant problem	3,875	
d. Climatic conditions dominant problem	1,000	
Dry Cropland	59,284	
34% or 20,197 acres are adequately treated		
66% needs treatment (39,087 acres)		
a. Erosion is the dominant problem on	33,087	
(Strip cropping, stubble mulch,		
grassed waterways)		
b. Unfavorable soil is dominant	6,000	
(Crop rotation, narrow strips,		
fertilizer )		
Grassland (Range, pasture, irrigated native)	514,765	
40% or 205,524 acres are adequately treated		
60% needs treatment (309,241 acres)		
a. Needs reseeding	15,000 acres	
b. Improvement(Deferred Grazing	122,000	
Primarily)		
c. Over-grazed (proper stocking	170,241	
d. Needs stockwater	50,000	
e. Protection of Fire	100,000	
f. Severe erosion problem	17,500	
g. Rodent control	10,000	
h. Encroachment of plants	30,000	
i. Insects & disease	25,000	
j. Excess water	2,000	
Woodland	123,480 acres	
a. Needs establishment (planting	500	"
b. Needs stand improvement	30,000	"
c. Protection from fire	75,000	"
d. Insects and disease	50,000	"
e. Protection from animals	10,000	"
f. Erosion control	19,000	"
g. Establishment of windbreaks	150	"
(20 miles)		

# CONSERVATION NEEDS INVENTORY

(Based on June 30, 1962, estimates)

<u>Practice</u>	<u>Unit</u>	<u>Amount</u>
<u>Dry Cropland</u>		
Conservation Cropping System	Acres	6,000
Stubble Mulching	Acres	33,087
Stripcropping	Acres	6,000
<u>Irrigated Cropland</u>		
Irrigation Water Management	Acres	50,800
Drainage Field Ditch	Feet	18,000
Drainage Mains & Laterals	Feet	55,000
Irrigation Storage Reservoir	No.	79
Irrigation Land Leveling	Acres	2,100
Irrigation System, Surface & Subsurface	No.	350
Structures for Water Control	No.	2,300
Irrigation Field Ditch	Feet	1,500,000
Irrigation Canal and Laterals	Feet	500,000
Irrigation Ditch and Canal Lining	Feet	124,000
<u>Rangeland</u>		
Spring Development	No.	156
Farm Ponds	No.	50
Wells	No.	50
Range, Proper Use	Ac.	170,241
Deferred Grazing	Ac.	122,000
Range, Rotation Grazing	Acres	325,000
Troughs or Tanks for Livestock	No.	200
<u>Irrigated Pasture and Hayland</u>		
Pasture Planting	Acres	1,500
Pasture, Proper Use	Acres	2,000
Rotation Grazing	Acres	2,000
<u>Dry Pasture</u>		
Pasture Planting	Acres	2,370
Proper Pasture Use	Acres	2,370
Rotation Grazing	Acres	2,370
<u>Wildlife</u>		
Fish Pond Stocking	No.	30
Wildlife Habitat Preservation	Acres	7,000

Conservation Needs Inventory, Cont.

<u>Practice</u>	<u>Unit</u>	<u>Amount</u>
<u>Woodland</u>		
Farmstead and Feedlot Windbreak	Acres	100
Field Windbreak	Acres	50
Woodland Direct Seeding	Acres	500
Woodland Intermediate Cutting	Acres	30,000



## WATERSHED INVENTORY - WHAT IT REVEALED

Irrigation water management is the largest area of group project action needed. Many tributaries to the main streams have a good potential for supplemental irrigation storage.

Before any project action can be taken, initiation of effort by local people is required.

Small watershed projects can fill the need for flood prevention, agricultural water management, non-agricultural water management and for outdoor recreation. The small watershed project is a local undertaking with Federal help, not a Federal project with local help. Approximately half of the cost of any project must come from the local participants.

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Supplement to the Park County  
Conservation Needs Inventory

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